571 opposition between groups, which, in the absence of some
619 powerful motive or urge, must tend to restrict communication between people who are situated at any distance from one another.

133 Let us consider, first, the country and its natural resources. Arnhem Land is a vast territory, still in its virgin state. The terrain is rugged. There are no high mountains but only low hills, which, except on the western fringe, rarely exceed four or five hundred feet in height. These hills, which often outcrop with bare rock, give an arid, even desolate, appearance to the country. Undulating lowlands and broad plains
[137] stretch for hundreds of miles. These are more fertile, and are covered either with a dense growth of long grass or with savannah woodland. They are intersected by numerous watercourses, which in the dry season become mere dry ravines with a few deep waterholes. In the wet season these river courses are raging torrents.

813 The natives are familiar with the various botanical (eco-
824 logical) associations which characterise this territory, and distinguish these by special terms. They can name, without hesitation, the characteristic trees, shrubs, and herbaceous plants in every association, as well as the food plants and animals, and the raw materials used in technology, which at any season of the year[12] they obtain from each of these associations. In this we see a system and an orderliness

[12] Some idea of the critical knowledge of their territory and its resources which the Australian aborigines possess, and of the systematic way in which they classify these resources, as well as their appreciation of the influence of the seasonal cycle on their life and economy, may be gathered from the following accounts of the people of the neighbouring territory of Cape York Peninsula: *Names and Naming in the Wik Monkan Tribe* (in press) and *The Seasonal Factor in Human Culture*, Proc. Prehist. Soc. July-Dec. 1939, No. 10, pp. 209-221.

9: Thomson E-5 (1935-1943)1949
O117 Murngin O117

which is very far removed from the general picture of the Australian aborigine. 813 824

As the coast is approached, the country often becomes flat, and takes the form of wide plains through which the rivers flow sluggishly. On their estuarine reaches the rivers break up into innumerable arms, creeks and backwaters which are fringed with dense walls of mangroves. These brackish tidal reaches intersect the coastal plains, which are periodically flooded, becoming shallow lagoons which soon dry up, and leave miles of bare mud. This dries out and cracks so that it presents a tessellated appearance, and is often encrusted with deposits of salt. The estuarine reaches, tidal arms, and flood plains, yield very large quantities of food—chief of which are fish, for the capture of which many very specialised methods have been developed in Arnhem Land. Shellfish (*maipal*), including *laitjin,* (the wood-boring shipworm, *Teredo*) are also obtained in quantity in the mangrove zone. The shellfish are gathered at low water and *Teredo* are extracted from sodden logs uncovered at low tide, by splitting these with an axe and pulling them out by hand. 133 136 226

There are two well-defined seasons in Arnhem Land, the wet, or north-west monsoon, and the dry or south-east season. The "wet" extends from about December to March or April, when the wind is generally in the north-west quarter. During this period most of the annual rainfall—about 40 inches—occurs. The "dry" season extends from about April to November. At this season little rain falls except in far North-eastern Arnhem Land and for much of this period the wind blows steadily from the south-east. 132

This division of the year into two strongly-contrasted seasons has an important influence not only on the food supply of the people but also on their movements and occu- 221 805 813

221 pations, and therefore, on the nature of their camps and
805 house types. It may be noted in passing that the seasonal
813 influence on their lives and occupations is well appreciated by the natives themselves, and that they divide the annual cycle into six or more phases or seasons which they name from the winds, the weather conditions, or from the food supplies which characterise them. And again, they will name these phases, and state without hesitation the appropriate occupational sites at each of them, and their activities and food supplies which depend upon these seasonal conditions, with an insight and a precision that no white man who is not a trained ecologist and well versed in botany and zoology, could approach.

[133] During the wet season the river courses rise quickly and
221 soon overflow their banks so that the country is flooded for
[137] miles. The grass, especially on the plains, grows rank and
342 high—often more than six feet—and the people are con-
361 centrated in semi-permanent wet season camps in which the population may exceed one hundred. Here they lead an almost sedentary existence in contrast with their active nomadic life in the south-east season. At this time they construct houses, sometimes of large size—thatched with bark of tea-tree (*Melaleuca*) or of stringybark (*Eucalyptus tetro-*
[355] *donta*). Some of these houses are well built and are provided
[372] with sleeping platforms under which fires can be lighted as a protection against mosquitoes. They are also equipped with racks to carry food and utensils. Each house type has its own traditional form, type of construction and distinctive name, and is often developed in adaptation to a particular environment, or is determined by the building materials available in the vicinity. Nine or ten types of houses or shelters are recognised in Arnhem Land. These vary from simple breakwinds built on the windward side in the "dry"